



UNITED STATES PATENT AND TRADEMARK OFFICE

A

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/924,163	08/07/2001	Thane M. Larson	10012383-1	1476

22879 7590 10/25/2005

HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

VO, TIM T

ART UNIT PAPER NUMBER

2112

DATE MAILED: 10/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/924,163	Applicant(s) LARSON ET AL.	
	Examiner Tim T. Vo	Art Unit 2112	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 August 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Part III DETAILED ACTION

Notice to Applicant(s)

This application has been examined. Claims 1-20 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

1. Claims 1-20 are rejected under 35 U.S.C. § 102(e) as being anticipated by Wong patent number 6,528,904 referred hereinafter "Wong".

2. As for claims 1, 8, 14, Wong teaches a server system comprising:

a plurality of printed circuit assemblies including a plurality of host processor cards (see figure 1, plurality of CPU blades 15 which are processor cards); a management card coupled to the plurality of printed circuit assemblies (see figure 1, SERVER MGNT BLADE 10, 12 and each blade 10, 12 is coupling to the CPU blades 15 via buses), the management card dedicated to monitoring and managing operation of the server system (see figure 1, SERVER MGNT BLADE 10, 12 and column 5 lines 19-42, wherein one MB handles the housekeeping chores such as health of the server and

Art Unit: 2112

the other one acts as hot spare), including monitoring and managing on-line insertion and removing of the printed circuit assemblies (see figure 1, bus 27 and column 4 lines 63 to column 5 line 10 and column 2 lines 5-10, wherein the bus 27 providing hot swapping signal to the MBs 10, 12 when CPU blades 15 are hot swapping); and wherein the management card includes a LAN switch configured to be coupled to the plurality of host processor cards and an external management network (see figure 1, SERVER MGNT BLADE 10, 12 and column 5 lines 18-32 and column 2 lines 43, wherein the server management includes a mux 22 to control the switch blade 14 for providing network switching of packets and routing for various protocol layers, thus column 5 lines 18-32 teaches a mux in the SERVER MGNT BLADE 10, 12 to control SMBUS/LAN as shown in figure 1).

As for claims 2, 9, 15 and 20, Wong teaches the management card includes a management processor and a LAN switch (see figure 1 MUX 22, the LAN switch coupled to management connections of the at least one host processor card, and management connections of the management processor (see figure 1, MUX 22, CPU blades 15, microcontroller 20).

As for claim 3, Wong teaches a backplane for connecting the plurality of printed circuit assemblies to the management card (see figure 2, backplane, CPU blades 15).

As for claims 6-7, 12-13 and 18-19, Wong teaches providing status information on the management card (see figure 1, SERVER MGNT BLADE 10, 12 and column 5 lines 18-42).

As for claims 4, 10 and 16, Wong teaches I2C bus (see column 2 lines 25-26).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 5, 11 and 17 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Wong in view of Bassman et al. patent number 6,295,567 referred hereinafter "Bassman".

5. As for claims 5, 11 and 17, Wong teaches cooling fans (column 2 lines 47-48). Wong does not expressly teach temperature sensor and controlling the fan speed. However, Bassman teaches such features cooling fan, temperature sensor and controlling fan speed (see column 8 lines 35-61). It would have been obvious to a person of an ordinary skill in the art at the time the invention was made to have combined the teachings of Bassman into the teachings of Wong because Bassman providing system detection from overheating, thereby preventing parts damage from overheating.

Response to Amendment

Applicant's arguments filed 8/8/05 have been fully considered but they are not persuasive.

In response to the applicant's arguments that Wong does not teach a management card includes a LAN switch to be coupled to the plurality of host processor

Art Unit: 2112

cards and an external management network as claimed in claims 1, 8 and 14. Figure 1 and column 4 lines 63 to column 5 line 10 and column 2 lines 5-10, Wong discloses a SERVER MGNT BLADE 12, includes a MUX 22 to control the SMBUS and switch blade 14, and plurality of CPU blades 15 are coupling to the SERVER MGNT BLADE 12 via SMBUS/LAN and external SERVER MGNT BLADE 10 coupling to the SERVER MGNT BLADE 12 via bus 25.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim T. Vo whose telephone number is 571-272-3642. The examiner can normally be reached on 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on 571-272-3672. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



10/22/05

Tim T. Vo
Primary Examiner
Art Unit 2112